



# **STIC Search Report**

## **EIC 2100**

**STIC Database Tracking Number:**

**TO: James Seal**  
**Location: Cpk2 4D11**  
**Art Unit : 2131**  
**Friday, November 14, 2003**

**Case Serial Number:**

**From: David Holloway**  
**Location: EIC 2100**  
**PK2-4B30**  
**Phone: 308-7794**

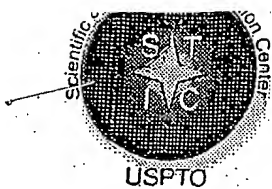
**david.holloway@uspto.gov**

### **Search Notes**

Dear Examiner ,

Attached please find your search results for above-referenced case.  
Please contact me if you have any questions or would like a re-focused search.

David



# STIC EIC 2100 Search Request Form

Today's Date:

14 Nov 2003

What date would you like to use to limit the search?

Priority Date: 22 Feb 1998 Other:

Name James Seal

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other

AU 2131 Examiner # 76900

Room # 4D11 Phone 3084562

Serial # 09376384

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

A DVD has a disk security chip embedded in it  
1st Antenna in DVD is attached to disk chip and  
is in contact with DVD player via a  
second antenna the second antenna  
is connected to a player security chip  
player security chip verifies disk chip ~~and~~  
by means of a geometric property of DVD

NIL Diezmann / Klaus Finkler US6044046

STIC Searcher David Holloway

Phone 308-7784

Date picked up 11-18-03

Date Completed 11-18-03



W097/LH562

Gershon Bar-on et. al.

Set	Items	Description
S1	1190510	DVD? ? OR CD OR CDS OR CDROM? OR (DIGITAL() (VERSATILE? OR - VIDEO? ?) OR OPTICAL? OR COMPACT?) () (DISC? ? OR DISK? ?)
S2	1595901	MICROPROCESSOR? OR CHIP? ? OR MICROCHIP? OR IC OR INTEGRATED()CIRCUIT? OR VSLI OR MOSFET? ?
S3	11091995	CONTAIN? OR EMBED? OR WITHIN? OR INTERNAL? OR INTEGRAL? - OR BUILTIN? OR (BUILT OR WITH) () "IN" OR INSIDE?
S4	7046330	ANTENNA? OR RECEIV? OR TRANSMIT? OR (WIRELESS OR CONNECTIONLESS) (N) (TRANSMI? OR RECEIV? OR RECEPT?) OR WAVEGUIDE?
S5	115	S1(3N)S3(S)S2(S)S4
S6	33	S1(S)S3(2N)S2(5N)S4
S7	138	S5 OR S6
S8	75	RD (unique items)
S9	20	S8 NOT PY>1997
S10	17	S9 NOT PD=19970222:19990222
S11	17	S10 NOT PD=19990222:20030222
File 275:	Gale Group Computer DB(TM) 1983-2003/Nov 13 (c) 2003 The Gale Group	
File 636:	Gale Group Newsletter DB(TM) 1987-2003/Nov 13 (c) 2003 The Gale Group	
File 16:	Gale Group PROMT(R) 1990-2003/Nov 13 (c) 2003 The Gale Group	
File 624:	McGraw-Hill Publications 1985-2003/Nov 13 (c) 2003 McGraw-Hill Co. Inc	
File 484:	Periodical Abs Plustext 1986-2003/Nov W2 (c) 2003 ProQuest	
File 813:	PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc	
File 239:	Mathsci 1940-2003/Dec (c) 2003 American Mathematical Society	
File 696:	DIALOG Telecom. Newsletters 1995-2003/Nov 13 (c) 2003 The Dialog Corp.	
File 621:	Gale Group New Prod.Annou.(R) 1985-2003/Nov 14 (c) 2003 The Gale Group	
File 674:	Computer News Fulltext 1989-2003/Nov W2 (c) 2003 IDG Communications	
File 369:	New Scientist 1994-2003/Nov W2 (c) 2003 Reed Business Information Ltd.	
File 160:	Gale Group PROMT(R) 1972-1989 (c) 1999 The Gale Group	
File 635:	Business Dateline(R) 1985-2003/Nov 14 (c) 2003 ProQuest Info&Learning	
File 15:	ABI/Inform(R) 1971-2003/Nov 14 (c) 2003 ProQuest Info&Learning	
File 9:	Business & Industry(R) Jul/1994-2003/Nov 13 (c) 2003 Resp. DB Svcs.	
File 13:	BAMP 2003/Nov W1 (c) 2003 Resp. DB Svcs.	
File 810:	Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire	
File 647:	CMP Computer Fulltext 1988-2003/Oct W3 (c) 2003 CMP Media, LLC	
File 98:	General Sci Abs/Full-Text 1984-2003/Oct (c) 2003 The HW Wilson Co.	
File 148:	Gale Group Trade & Industry DB 1976-2003/Nov 14 (c)2003 The Gale Group	

Set	Items	Description
S1	664529	DVD? ? OR CD? ? OR CDROM? OR (DIGITAL() (VERSATILE? OR VIDEO? ?) OR OPTICAL? OR COMPACT?) () (DISC? ? OR DISK? ?)
S2	970112	MICROPROCESSOR? OR CHIP? ? OR MICROCHIP? OR IC OR INTEGRATED()CIRCUIT? OR VSLI OR MOSFET? ?
S3	6900256	CONTAIN? OR EMBED? OR WITHIN? OR INTERNAL? OR INTEGRAL? - OR BUILTIN? OR (BUILT OR WITH) () "IN" OR INSIDE?
S4	1861145	ANTENNA? OR RECEIV? OR TRANSMIT? OR (WIRELESS OR CONNECTIONLESS) (N) (TRANSMI? OR RECEIV? OR RECEPT?) OR WAVEGUIDE?
S5	169	S1 AND S2 AND S3 AND S4
S6	1034	S1(4N)S3 AND (S4 OR S2)
S7	631	S3(4N) (S2 OR S4) AND S1
S8	62	S5 AND (S6 OR S7)
S9	48	RD (unique items)
S10	30	S9 NOT PY>1997
S11	30	S10 NOT PD>19970222
File	8: Ei Compendex(R)	1970-2003/Nov W1 (c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online	1861-2003/Oct (c) 2003 ProQuest Info&Learning
File	202: Info. Sci. & Tech. Abs.	1966-2003/Sep 16 (c) 2003 EBSCO Publishing
File	65: Inside Conferences	1993-2003/Nov W2 (c) 2003 BLDSC all rts. reserv.
File	2: INSPEC	1969-2003/Nov W1 (c) 2003 Institution of Electrical Engineers
File	94: JICST-EPlus	1985-2003/Nov W2 (c) 2003 Japan Science and Tech Corp(JST)
File	111: TGG Natl. Newspaper Index(SM)	1979-2003/Nov 11 (c) 2003 The Gale Group
File	233: Internet & Personal Comp. Abs.	1981-2003/Jul (c) 2003, EBSCO Pub.
File	6: NTIS	1964-2003/Nov W3 (c) 2003 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal	1973-2003/Nov W1 (c) 2003 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci	1974-1989/Dec (c) 1998 Inst for Sci Info
File	34: SciSearch(R) Cited Ref Sci	1990-2003/Nov W2 (c) 2003 Inst for Sci Info
File	62: SPIN(R)	1975-2003/Sep W4 (c) 2003 American Institute of Physics
File	99: Wilson Appl. Sci & Tech Abs	1983-2003/Oct (c) 2003 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2003/Oct W4 (c) 2003 FIZ TECHNIK

Set	Items	Description
S1	0	AU=(DIEZMANN N? OR DIEZMANN, N?)
S2	0	AU=(FINKENZELER, K? OR FINKENZELLER K?)
File	2:INSPEC 1969-2003/Nov W1	(c) 2003 Institution of Electrical Engineers
File	6:NTIS 1964-2003/Nov W3	(c) 2003 NTIS, Intl Cpyrght All Rights Res
File	8:Ei Compendex(R) 1970-2003/Nov W1	(c) 2003 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2003/Nov W2	(c) 2003 Inst for Sci Info
File	35:Dissertation Abs Online 1861-2003/Oct	(c) 2003 ProQuest Info&Learning
File	65:Inside Conferences 1993-2003/Nov W2	(c) 2003 BLDSC all rts. reserv.
File	92:IHS Intl.Stds.& Specs. 1999/Nov	(c) 1999 Information Handling Services
File	94:JICST-EPlus 1985-2003/Nov W2	(c)2003 Japan Science and Tech Corp(JST)
File	95:TEME-Technology & Management 1989-2003/Oct W4	(c) 2003 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs 1983-2003/Oct	(c) 2003 The HW Wilson Co.
File	144:Pascal 1973-2003/Nov W1	(c) 2003 INIST/CNRS
File	202:Info. Sci. & Tech. Abs. 1966-2003/Sep 16	(c) 2003 EBSCO Publishing
File	233:Internet & Personal Comp. Abs. 1981-2003/Jul	(c) 2003, EBSCO Pub.
File	239:Mathsci 1940-2003/Dec	(c) 2003 American Mathematical Society
File	275:Gale Group Computer DB(TM) 1983-2003/Nov 13	(c) 2003 The Gale Group
File	647:CMP Computer Fulltext 1988-2003/Oct W3	(c) 2003 CMP Media, LLC
File	674:Computer News Fulltext 1989-2003/Nov W2	(c) 2003 IDG Communications
File	696:DIALOG Telecom. Newsletters 1995-2003/Nov 13	(c) 2003 The Dialog Corp.
File	148:Gale Group Trade & Industry DB 1976-2003/Nov 14	(c)2003 The Gale Group
File	621:Gale Group New Prod.Annou.(R) 1985-2003/Nov 14	(c) 2003 The Gale Group
File	636:Gale Group Newsletter DB(TM) 1987-2003/Nov 13	(c) 2003 The Gale Group

Set	Items	Description
S1	6	AU=(DIEZMANN N? OR DIEZMANN, N?)
S2	16	AU=(FINKENZELER, K? OR FINKENZELLER K?)
S3	3	S1 AND S2
S4	2	(S1 OR S2) AND ((CD? ? OR CDROM? OR DVD? OR (DIGITAL?) () (-VERSATILE? OR VIDEO?) OR COMPACT?) () DISK? OR DISC? ?)
S5	4	S3 OR S4
S6	4	IDPAT (sorted in duplicate/non-duplicate order)
S7	2	IDPAT (primary/non-duplicate records only)
S8	5	(S1 OR S2) AND IC=G06F?
S9	3	S8 NOT S6
S10	3	IDPAT (sorted in duplicate/non-duplicate order)
S11	3	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)  
(c) 2003 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2003/Nov W02  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031106,UT=20031030  
(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200373  
(c) 2003 Thomson Derwent

11/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014824425 \*\*Image available\*\*  
WPI Acc No: 2002-645131/200270  
XRPX Acc No: N02-509986

**Use of a chip card, such as a multimedia card with a mobile phone, PDA,  
etc. to provide street map information to the user in a readily  
accessible and convenient manner**

Patent Assignee: GIESECKE & DEVRIENT GMBH (GIES-N)  
Inventor: **FINKENZELLER K** ; GLASER M; HAGHIRI Y; LAMLA M; WEISS D  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10109839	A1	20020905	DE 1009839	A	20010301	200270 B

Priority Applications (No Type Date): DE 1009839 A 20010301

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10109839	A1		5	G06F-017/30	

Abstract (Basic): DE 10109839 A1

NOVELTY - Street map information system comprises a chip card (10) and a portable, independent unit able to function as a card reader (1). The card provides access to street map information, while the card reader also has a controller (3) with which a user can execute a search of the street map information and an output device (2) for displaying the requested information.

USE - Use of a chip card, such as a multimedia card with a mobile phone, PDA, etc. to provide street map information.

ADVANTAGE - Mobile phone user can easily access street map information via the mobile phone and can search for a particular street by entering the required name, so that the relevant map portion is displayed on the screen.

DESCRIPTION OF DRAWING(S) - Figure shows a sketch of the inventive system.

mobile phone card reader (1)  
chip card (10)  
controller (3)  
display. (2)  
pp; 5 DwgNo 1/2

Title Terms: CHIP; CARD; CARD; MOBILE; TELEPHONE; STREET; MAP; INFORMATION;  
USER; READY; ACCESS; CONVENIENT; MANNER

Derwent Class: T01; W01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

11/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

010858307  
WPI Acc No: 1996-355258/199636

**Pirate software use prevention method for magnetic strip cards - involves  
use of user card having hardway key-code and accessed via card  
communication interface**

Patent Assignee: DIEZMANN N (DIEZ-I)  
Inventor: **DIEZMANN N**  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19503018	A1	19960801	DE 1003018	A	19950131	199636 B

Priority Applications (No Type Date): DE 1003018 A 19950131

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19503018 A1 7 G06F-012/14

Abstract (Basic): DE 19503018 A

The method involves the user of the program using a card having a hardware key which can be comfortably taken with the user. The card must be placed into a given card communication interface of the data processing system. To prevent use of illegal copies of the program, during processing of the program, the hardware key of the card is accessed, via the card communication interface. If the key information communicated by the card in answer to the access agrees with given identification information, the program can be used by the user, and if no such agreement is achieved, the program can not be carried out.

USE - For cheque cards, chip cards e.g. telephone cards and PCMCIA cards.

Dwg.0/0

Title Terms: SOFTWARE; PREVENT; METHOD; MAGNETIC; STRIP; CARD; USER; CARD; KEY; CODE; ACCESS; CARD; COMMUNICATE; INTERFACE

Derwent Class: T01

International Patent Class (Main): G06F-012/14

File Segment: EPI

11/5/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00283449 \*\*Image available\*\*

**PROCESS FOR PREVENTING THE USE OF ILLEGALLY COPIED PROGRAMS**

**PROCEDE VISANT A EMPECHER L'UTILISATION DE PROGRAMMES REPRODUITS ILLEGALEMENT**

Patent Applicant/Assignee:

DIEZMANN Nils,

Inventor(s):

**DIEZMANN Nils**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9501596 A1 19950112

Application: WO 94DE682 19940620 (PCT/WO DE9400682)

Priority Application: DE 4321799 19930630

Designated States: AU BY CA CZ JP KP RU UA US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-001/00

Publication Language: German

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3398

English Abstract

Programs which can be run on data-processing equipment can be illegally copied if all data required for the program to run can be copied. This can be prevented if key information which cannot be overwritten is stored on an exchangeable storage medium (a) which can be repeatedly overwritten, e.g. a diskette, magnetic type, magneto-optical disk, and read out by a reading device (c, d) in the mechanism, determining that a program uses this key information while running and its further running is prevented if this key information is not accessible to the program. This permits true multi-tasking, i.e. the virtually simultaneous running of several programs.

French Abstract

Des programmes qui peuvent etre executes sur des systemes informatiques peuvent etre reproduits illegalement si toutes les donnees indispensables a l'execution du programme peuvent etre copiees. On peut empecher ce type de reproduction illegale, dans la mesure ou une information-cle qui ne peut etre recouverte est memorisee sur un support de memorisation de rechange (a) pouvant etre recouvert plusieurs fois, par ex. une disquette, une bande magnetique, un disque magneto-optique, et peut etre extraite au moyen d'un dispositif de lecture (c, d) dans le mecanisme d'entrainement. Un programme accede a cette information-cle par lecture



pendant son déroulement. Si le programme ne peut accéder à cette information-cle, son déroulement est interrompu. Ce procédé permet un fonctionnement multitâche effectif, c'est-à-dire l'exécution quasi simultanée de plusieurs programmes.

Set	Items	Description
S1	167712	DVD? ? OR CD? ? OR CDROM? OR (DIGITAL() (VERSATILE? OR VIDEO? ?) OR OPTICAL? OR COMPACT?) () (DISC? ? OR DISK? ?)
S2	671106	MICROPROCESSOR? OR CHIP? ? OR MICROCHIP? OR IC OR INTEGRATED()CIRCUIT? OR VSLI OR MOSFET? ?
S3	5519281	CONTAIN? OR EMBED? OR WITHIN? OR INTERNAL? OR INTEGRAL? - OR BUILTIN? OR (BUILT OR WITH) () "IN" OR INSIDE?
S4	2331266	ANTENNA? OR RECEIV? OR TRANSMIT? OR (WIRELESS OR CONNECTIONLESS) (N) (TRANSMI? OR RECEIV? OR RECEPT?) OR WAVEGUIDE?
S5	302	S1 AND S2 AND S3 AND S4
S6	730	S1(4N)S3 AND (S4 OR S2)
S7	888	S3(4N) (S2 OR S4) AND S1
S8	110	S5 AND (S6 OR S7)
S9	88	S8 NOT AD=19970222:19990222
S10	64	S9 NOT AD=19990222:20010222
S11	47	S10 NOT AD=20010222:20031129
S12	47	IDPAT (sorted in duplicate/non-duplicate order)
S13	47	IDPAT (primary/non-duplicate records only)
S14	137	S1(3N)S3(3N)S4
S15	12	S14 AND S2
S16	1	S15 NOT S8

File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)  
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200373  
(c) 2003 Thomson Derwent

Set	Items	Description
S1	167712	DVD? ? OR CD? ? OR CDROM? OR (DIGITAL() (VERSATILE? OR VIDEO? ?) OR OPTICAL? OR COMPACT?) () (DISC? ? OR DISK? ?)
S2	671106	MICROPROCESSOR? OR CHIP? ? OR MICROCHIP? OR IC OR INTEGRATED()CIRCUIT? OR VSLI OR MOSFET? ?
S3	5519281	CONTAIN? OR EMBED? OR WITHIN? OR INTERNAL? OR INTEGRAL? - OR BUILTIN? OR (BUILT OR WITH) () "IN" OR INSIDE?
S4	2331266	ANTENNA? OR RECEIV? OR TRANSMIT? OR (WIRELESS OR CONNECTIONLESS) (N) (TRANSMI? OR RECEIV? OR RECEPT?) OR WAVEGUIDE?
S5	302	S1 AND S2 AND S3 AND S4
S6	730	S1(4N)S3 AND (S4 OR S2)
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S15	12	S14 AND S2
S16	1	S15 NOT S8

File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)  
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200373  
(c) 2003 Thomson Derwent

13/5/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

011415285 \*\*Image available\*\*  
WPI Acc No: 1997-393192/199736  
XRPX Acc No: N97-327329

**Electronic data protection device for protecting any type electronically transmitted information - has one or more laser light sensors located on area of CD -ROM that can be scanned by laser when CD -ROM is spinning in computer disc drive**

Patent Assignee: LOVETT D M (LOVE-I); LOVETT R R (LOVE-I)

Inventor: LOVETT D M; LOVETT R R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5652838	A	19970729	US 96650481	A	19960520	199736 B

Priority Applications (No Type Date): US 96650481 A 19960520

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5652838	A	9		

Abstract (Basic): US 5652838 A

The protection device includes a CD -ROM, having a centrally located hub, while a **microprocessor** is located in the hub. A battery power supply is located in the hub. One or more laser light sensors is located on the area of the CD -ROM that can be scanned by a laser when the CD -ROM is spinning in a computer disc drive. A display device. Is located on the CD -ROM that is capable of displaying one or more symbols or alpha/ numeric characters.

The light sensors (11,12,13,14) are actuated, when the SD CD -ROM (5) is spun **within** a disc drive and the scanning laser (not shown) attempts to read data off of a portion of the SD CD -ROM (5) occupied by an individual light sensor. Each of these light sensors occupy an individually set diameter position, in relation to the axis of rotation (22). This allows a scanning laser that emits a laser beam, to strike only one light sensor at a time.

USE/ADVANTAGE - For preventing unauthorised transfer or use of software. Provides protection to more than one program at time.

Requires additional use of smart disc CD ROM to update protected software at various times or use intervals.

Dwg.2/2

Title Terms: ELECTRONIC; DATA; PROTECT; DEVICE; PROTECT; TYPE; ELECTRONIC;  
**TRANSMIT** ; INFORMATION; ONE; MORE; LASER; LIGHT; SENSE; LOCATE; AREA; **CD**  
; ROM; CAN; SCAN; LASER; **CD** ; ROM; SPIN; COMPUTER; DISC; DRIVE

Derwent Class: T01; T03

International Patent Class (Main): G06F-011/00

File Segment: EPI

S1 167712 DVD? ? OR CD? ? OR CDROM? OR (DIGITAL() (VERSATILE? OR VIDE-  
 O? ?) OR OPTICAL? OR COMPACT?) () (DISC? ? OR DISK? ?)  
 S2 612596 CHIP? ? OR MICROCHIP? OR IC OR INTEGRATED()CIRCUIT? OR VSLI  
 OR MOSFET? ?  
 S3 2832873 EMBED? OR WITHIN? OR INTERNAL? OR INTEGRAL? OR BUILTIN? OR  
 (BUILT OR WITH) () "IN" OR INSIDE?  
 S4 2330729 ANTENNA? OR RECEIV? OR TRANSMIT? OR CONNECTIONLESS() (TRANS-  
 MI? OR RECEIV? OR RECEPT?) OR WAVEGUIDE?  
 S5 173 S1 AND S2 AND S3 AND S4  
 S6 1321 S1 AND S2 AND (S3 OR S4)  
 S7 58 S1(5N)S2(5N)S3  
 S8 18 S5 AND S7  
 S9 113 S5 NOT AD=19970227:20000227  
 S10 71 S9 NOT AD=20000227:20031120  
 S11 80 S1(5N)S2(5N)S4  
 S12 5 S11 AND S10  
 S13 3 S7 AND S10  
 S14 21 S12 OR S13 OR S8  
 S15 21 IDPAT (sorted in duplicate/non-duplicate order)  
 S16 21 IDPAT (primary/non-duplicate records only)  
 File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)  
 (c) 2003 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2003/UD,UM &UP=200373  
 (c) 2003 Thomson Derwent

16/5/10 (Item 10 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014510785 \*\*Image available\*\*

WPI Acc No: 2002-331488/200237

XRPX Acc No: N02-260217

Compact disc with built in code generating chip that is used to  
prevent illegal copying

Patent Assignee: LIN W (LINW-I); LIN W H (LINW-I)

Inventor: LIN W H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 20119166	U1	20020221	DE 2001U2019166	U	20011126	200237 B
FR 2833397	A3	20030613	FR 200115761	A	20011206	200347 N

Priority Applications (No Type Date): DE 2001U2019166 U 20011126; FR  
200115761 A 20011206

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 20119166	U1	12		G11B-023/28	
FR 2833397	A3			G11B-023/03	

Abstract (Basic): DE 20119166 U1

NOVELTY - The compact disc (20) is produced with a groove 211) formed in the centre un-recorded section (21). Inset into the groove is an antenna coil (12) that is coupled to an integrated circuit chip (13). This is enclosed by a cover (14). When used the chip generates a code that is used to prevent copying.

USE - Compact discs

ADVANTAGE - Prevents illegal copying

DESCRIPTION OF DRAWING(S) - Exploded view of assembly

Disc (20)

Coil (12)

IC chip (13)

Cover (14)

pp; 12 DwgNo 1/4

Title Terms: COMPACT; DISC; BUILD; CODE; GENERATE; CHIP ; PREVENT; ILLEGAL ; COPY

Derwent Class: T03

International Patent Class (Main): G11B-023/03; G11B-023/28

International Patent Class (Additional): G06F-012/14; G11B-020/18

File Segment: EPI

16/5/18 (Item 18 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07383289 \*\*Image available\*\*  
OPTICAL CARD SUBSTRATE, OPTICAL CARD, METAL MOLD FOR MANUFACTURING OPTICAL  
CARD SUBSTRATE AND METHOD OF MANUFACTURING OPTICAL CARD SUBSTRATE

PUB. NO.: 2002-251789 [JP 2002251789 A]  
PUBLISHED: September 06, 2002 (20020906)  
INVENTOR(s): OGAWA WATARU  
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APPLICANT(s): VICTOR CO OF JAPAN LTD  
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INTL CLASS: G11B-007/24; B42D-015/10; G06K-019/077; G06K-019/07;  
G11B-007/26

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a high-quality optical card with IC having the good flatness from a central hole to a clamping area and having good disk unbalance characteristics.

SOLUTION: The optical card with the IC is formed by previously creating recesses which permits the **embedment** of an IC module and **antenna** **within** the retainer area of an **optical disk** by utilizing the projection of a retainer for fixing a stamper in molding the **optical disk** substrate.

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OPTICAL DEVICE FOR MAGNETO- OPTICAL DISK

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PUBLISHED: May 19, 1995 (19950519)  
INVENTOR(s): YUMA YOSHITO  
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 05-302302 [JP 93302302]  
FILED: November 08, 1993 (19931108)  
INTL CLASS: [6] G11B-011/10  
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment)  
JAPIO KEYWORD: R002 (LASERS); R102 (APPLIED ELECTRONICS -- Video Disk  
Recorders, VDR); R138 (APPLIED ELECTRONICS -- Vertical  
Magnetic & Photomagnetic Recording)

#### ABSTRACT

PURPOSE: To provide a device stable to the change of temperature and humidity and with high reliability by integrating a prism in which a laser beam from a magneto- **optical disk** is reflected **inside** and an element of a uniaxial crystal or with a function equivalent to it.

CONSTITUTION: The prism 26 is provided with an oblique surface 32, and the oblique surface 32 is formed at an angle .theta. for a surface of a  $1/2$  .lambda. plate or the bottom surface of the prism 26. The angle .theta. is preferred to be 45 degree. The oblique surface 32 is nearly confronted with a laser beam outgoing part 34 of a laser diode **chip** 30. On a semiconductor element 24, a laser beam monitoring light **receiving** part 40 is formed, and by the light **receiving** part 40, the laser beam outgoing from the rear part of the laser diode **chip** 30 is **received** and monitored. The  $1/2$  wavelength plate 28 is the element of the uniaxial crystal, etc., and a rock-crystal and lithium niobate, etc., are used for it, and a composite function optical prism 42 is constituted by **integrally** forming or composing the prism 26 and the  $1/2$  wavelength plate 28. By such a manner, the small-sized device stable to the change of temperature and humidity and with high reliability is provided.